

Remark

Applicants respectfully request reconsideration of this application as amended. Claims 27, 42 and 50 have been amended. No claims have been cancelled. Therefore, claims 1-61 are present for examination.

Drawings

The Examiner has objected to the drawings. Replacement drawings drawing sheets in compliance with 37 CFR 1.121 (d) are submitted herewith. In Figure 1, element 114, the spelling of restore is corrected. Figure 3 has been labeled as Figure 2, and Figure 2 has been labeled as Figure 3.

35 U.S.C. §102 Rejection

Hamano et al.

The Examiner has rejected claims 1-40 and 42-60 under 35 U.S.C. §102 (b) as being anticipated by Hamano, U.S. Patent No. 5,604,928 ("Hamano"). Hamano describes a radio transmit-receive unit coupled to a "sub CPU" to switch the sub CPU between a rest state and an active state.

Claim 1 of the present invention recites, for example, "determining a start of reception of radio signals by a radio." The cited sections of Hamano refer to a "radio transmit-receive unit" or "executing a communication processing request." There is no mention of reception as compared to communication. In short, Hamano suggests that the transitions from rest state to active state are made based on whether the radio is active. There is no suggestion that "a start of reception" or that "an end of reception" as recited in Claim 1 be analyzed.

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The difference between Hamano and Claim 1 is significant as pointed out, for example, in paragraph 14 of the present application, in many communication systems the receiver is only active for short periods of time, on the order of a few milliseconds, with large gaps in between. In a TDMA system, there may be 6 or 12 downlink and uplink slots in a frame and only one of the 6 or 12 slots may be assigned to the downlink for a particular user. As a result, the receiver is only active for one 6th or one 12th of the radio time. The communication, on the other hand is open for the entire time or at least for twice as much time. With the present invention as defined in Claim 1, the user enjoys much higher performance than with Hamano.

Claims 2 and 4 refer to an assigned time slot. Hamano suggests the use of a timer, but there is no suggestion that the transmit-receive unit has received a time slot assignment. On the contrary, if the sub CPU goes to the rest state for the entire communication, then the counter is not counting for a receive time slot and a transmit time slot unless all of the communications only require a single pair of time slots. There is absolutely no suggestion in Hamano of any receive time slot assignments. Accordingly, Claims 2 and 4 are believed to be allowable over the references.

Claims 13, 20, 27, 42, and 50 contain limitations similar to those discussed above with respect to Claim 1 and are believed allowable on those grounds among others. The remaining claims are dependent and are believed to be allowable therefor as well as for the limitations specifically set forth in each dependent claim, respectively.

35 U.S.C. §103 Rejection*Hamano in view of Watanabe*

The Examiner has rejected claims 41 and 61 under 35 U.S.C. §103 (a) as being unpatentable over Hamano in view of Watanabe, U.S. Patent No. 6,542,726 B2 ("Watanabe"). Watanabe was not cited for and does not teach the features discussed above which are absent from Hamano. Accordingly, this rejection is respectfully traversed.

Conclusion

Applicant respectfully submits that the rejections have been overcome by the amendment and remark, and that the claims as amended are now in condition for allowance. Accordingly, Applicant respectfully requests the rejections be withdrawn and the claims as amended be allowed.

Invitation for a Telephone Interview

The Examiner is requested to call the undersigned at (303) 740-1980 if there remains any issue with allowance of the case.

Request for an Extension of Time

Applicant respectfully petitions for an extension of time to respond to the outstanding Office Action pursuant to 37 C.F.R. § 1.136(a) should one be necessary. Please charge our Deposit Account No. 02-2666 to cover the necessary fee under 37 C.F.R. § 1.17(a) for such an extension. Charge our Deposit Account.

Please charge any shortage to our Deposit Account No. 02-2666.

Respectfully submitted,
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

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